



Venerdì 1 Aprile
Aula Wataghin, ore 14:30

Roberto Mussa
(INFN - Sezione di Torino)

Hadron Physics at present **and future B-factories**

This seminar aims to review the physics potential of current and future B factories to our understanding of strong interactions. Charmonium and Bottomonium are ideal testing grounds as they allow to test QCD at all scales, from ultrasoft to hard. Most of the impressive progress experienced in the last decade on heavy quarkonia (spectroscopy, decays and transitions) has been made possible by the experiments CLEO-III, BaBar and Belle. The large set of new data currently available challenge effective field theory as well as lattice gauge theory predictions on bound states, and new questions are raising about the hadronization processes above open flavor thresholds. In the current decade, superB factories will reach 10 to 100 times higher luminosities with polarized beams: prospects for future studies will be given.